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OM nucleic - nucleic search, using sw model

Run on: February 16, 2003, 16:40:39 ; Search time 35.9379 Seconds
(without alignments)
11981.069 Million cell updates/sec

Title: US-09-497-967-3
Perfect score: 1404
Sequence: 1 atgaaaaataatttttagt.....tgattttctattattatta 1404

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
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5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	50	3.6	1248	4	US-09-134-001C-1120
2	49.4	3.5	740	4	US-09-451-117-1
3	49.2	3.5	5319	1	US-08-169-927-1
C 4	45.8	3.3	3489	2	US-08-728-323A-1
C 5	45.8	3.3	3489	4	US-09-298-568-1
6	45.8	3.3	11091	4	US-09-134-001C-2243
7	45.8	3.3	32207	2	US-08-770-379-20
8	45.8	3.3	32207	4	US-08-757-669A-20
9	45.8	3.3	32207	4	US-09-230-371A-20
10	43.4	3.1	2129	4	US-08-975-762-39
11	43.4	3.1	2129	4	US-09-285-028-39
12	43.4	3.1	2129	4	US-09-106-582-39
13	42.6	3.0	1390	4	US-09-210-168-1
14	42.6	3.0	1422	2	US-08-700-670A-22
15	42.6	3.0	7904	1	US-08-316-239B-1
16	42.6	3.0	7904	1	US-08-316-239B-2
17	42.6	3.0	7904	1	US-08-410-005-1
18	42.6	3.0	7904	3	US-08-929-140-1
19	42.6	3.0	7904	4	US-09-560-579A-1
20	41.8	3.0	3168	4	US-09-165-239A-3
C 21	41.8	3.0	3998	4	US-09-066-046-5
C 22	41	2.9	543	6	5273901-6
23	41	2.9	1278	4	US-09-134-001C-58
24	40.8	2.9	795	1	US-07-958-551-1
25	40.8	2.9	795	1	US-08-129-610-6
26	40.8	2.9	795	1	US-08-129-609A-6
27	40.8	2.9	795	1	US-08-455-313-6

28	40.8	2.9	795	1	US-08-475-924-1	Sequence 1, Appl
29	40.8	2.9	795	2	US-08-657-579A-1	Sequence 1, Appl
30	40.8	2.9	795	3	US-09-224-025-6	Sequence 6, Appl
31	40.8	2.9	795	5	PCT-US94-07887-6	Sequence 6, Appl
32	40.6	2.9	1948	1	US-07-849-438-1	Sequence 1, Appl
33	40.6	2.9	3143	1	US-08-485-621-1	Sequence 1, Appl
34	40.6	2.9	3143	2	US-08-973-831-1	Sequence 1, Appl
35	40.6	2.9	3143	5	PCT-US96-09530A-1	Sequence 1, Appl
36	40.4	2.9	4460	3	US-09-007-999-1	Sequence 1, Appl
37	40.4	2.9	4460	4	US-09-210-361-1	Sequence 1, Appl
38	40.4	2.9	4460	4	US-09-740-274-1	Sequence 1, Appl
39	40	2.8	834	1	US-07-945-288-1	Sequence 1, Appl
40	40	2.8	834	1	US-08-462-831-1	Sequence 1, Appl
41	40	2.8	834	1	US-08-461-809-1	Sequence 1, Appl
42	40	2.8	834	1	US-08-461-441-1	Sequence 1, Appl
43	40	2.8	834	1	US-08-482-142-1	Sequence 1, Appl
44	40	2.8	834	2	US-08-478-572-1	Sequence 1, Appl
45	40	2.8	834	4	US-08-484-296-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1

US-09-134-001C-1120
; Sequence 1120, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134.001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 1120
; LENGTH: 1248
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1120

Query Match 3.6%; Score 50; DB 4; Length 1248;
Best Local Similarity 42.8%; Pred. No. 0.0043;
Matches 254; Conservative 0; Mismatches 340; Indels 0; Gaps 0;

QY	247	GCTACTGCTAATTTAGTCACATAATGTAACGTTAAATGCCCTGCTGTCAGCGAATTCGA	306
DB	433	GCTACTGGTCAAGTTTCTATTGATTAGTGCCAAAGGGCCCAATGTTCTACAGTAACA	492
QY	307	GGTGAGCAACAGATATTGACGCAATATACAGAAATGTGTTAATTCAGATAATTTT	366
DB	493	GCTTGTCTACGGGAGCACTAATTCATAGGTGAGGCATTTAAATATTCAACGGTGTGAT	552
QY	367	TATTAATGAATATGCTCCAAATTTTAAATGCAAGGTGCTAGTACATGCACAGCTTGTCCGGTA	426
DB	553	GCAGATCAATGCTGCTGCTGTTGGAACAGAGGCACCTATTACACATATGGCAATCGCAGG	612
QY	427	AACAGAGTTGGTGGTCAATTTGACTGCTGTTAATGCCCTACCACATGTCGATTAATGTAAC	486
DB	613	TTTAGTCAAGTCTGCTGATTTCTTACAAACATGACCCCTGAAACAGCTTGTCCACCATTC	672
QY	487	GTCGATGCTCTACTGCTACTGTCATGAGTAACTACTGATTAATGTTAGATCA	546
DB	673	CAAGAAGCGCTGATGCTTTGTTATGGTGAGGGCAGGTATTGTTGCTACTTGAATCA	732
QY	547	TTACAGAAATGTTTAATGCTAGCTTAATCTTTTACTATTAATGTAATGTAATACT	606
DB	733	TTAGATTACGCTAAAGAGAGAGCGGCTGAAATTTACGCTCAAGTTGTAGGTTATGTTCC	792

RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 5319
US-08-169-927-1

Query Match 3.5%; Score 49.2; DB 1; Length 5319;
Best Local Similarity 41.5%; Pred. No. 0.011;
Matches 321; Conservative 0; Mismatches 453; Indels 0; Gaps 0;

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QY 247 GCTACTGCTAAATTTAGTACATAATGTAAGTTAAATGCCCTGCTGTCACCAATTGCA 306
DB 2224 GCTATTAAACAGTTAGTTATAGAAATTAATGGTTCAGTACAACTTAATCACAATCTTAC 2283
QY 307 GGTGGACACAGATATATGCGCAATTAATCAGAAATGTTAATTTGTAAGATTAATTTT 366
DB 2284 TTATAACAANAATACTAATGCTGCAAAACCAAGGTCAAAATATCGTTGCCGCTGATCCT 2343
QY 367 TATAAATGAAATGCTCCAAATTTAATGCAAGGTGCTAGTACATGACAGCTTGTCCGGTA 426
DB 2344 CTTAATACTAATACTACTCTGCTGATGGTACAAATTTAGGTAGTGCAGAAATCCACTT 2403
QY 427 AACAGAGTTGGTGGTGCATTTGCTGCTGTAATGCGCGTACCATAGTCGCATAATGTAAC 486
DB 2404 TCTACTATTCTATTTGCCACTAAAGCTGCTAATGCTGACTCTATATTAATGTTAGTAAA 2463
QY 487 GTGCGATGCTCTACTGGTACTGCTGCTGATGATGAGTAACTACTGATTTAGTTAGATCA 546
DB 2464 GGAGTAAATTTATATGCTAATAATATTTACTACTAAGATGCTAAATGTTAGTTCTTTAC 2523
QY 547 TTCACAGATGCTGTTAAATGTTAGCTTAATTTTACTAATGTTAAATGTTAACTACT 606
DB 2524 TTTAGTCTGGTGGTACAGATATAGTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2583
QY 607 CTTTCAATCCAGGTAAAGTTAAATGCACACCTTGTCCGGCAATTTAAACCTGCTAAATGT 666
DB 2584 CTTAATAATTTAATAATTTAGATAATGCTACTACTGTTAAGTTTAAAGTTAGTACAACT 2643
QY 667 GCTTAAGCTACTTTAGGTAACTGCTACATAACCGCATATGTAAGTTGCTGATGCCCT 726
DB 2644 AATGGTGGTACTAAATTTGAAGTAAATCCATCTTTGCAAAATTAGCAATAATATATACT 2703
QY 727 GATGGTACTAATGCTGCTGGAGTAAATTAATGGGTAGCACAAACACTGAATGTAAT 786
DB 2704 GATCATGTTGAATCTGCTGATAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2763
QY 787 AATTTGCTCCTAACTTTTACATAATTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 846
DB 2764 ACGTAACTAATAATAACAAGGTGCTTTATTTGGTGTGTTTAAACCAAGTAATTTATTTCT 2823
QY 847 TGCCTACCTTGCCAGCAAAATAAGATTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 906
DB 2824 GCTCAGGTAACTAGTATTTAATGAGATAGGTAAATGTAAGAAATTTGATGCTGCTGCT 2883
QY 907 ACTTTAGCAATAATGTAATTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 966
DB 2884 GCTAATTAATTTCTTTTGAATAATGCAAGTTTAGGTACATCTTTTATTTTACCTAGTGGT 2943
QY 967 ACTAATTTATGTAATTAATAACAAGATGCTAATAATTTGCTGCTGCTGCTGCTGCTGCT 1020
DB 2944 ACTCCATTAGATGTTTAAACAAATTAAGTACCGTATAGGTAAATGCTGCTGCTGCTGCT 2997
```

RESULT 4

US-08-728-323A-1/c

Sequence 1, Application US/08728323A

Patent No. 5948676

GENERAL INFORMATION:

APPLICANT: Chang, Yuan

APPLICANT: Bohenzky, Roy A.

APPLICANT: Russo, James J.

APPLICANT: Edelman, Isidore S.

APPLICANT: Moore, Patrick S.

TITLE OF INVENTION: Immediate Early Protein From Kaposi's

TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA

TITLE OF INVENTION: Encoding Same And Uses Thereof

NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/728,323A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/52268/JPW/MSC/SKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3489 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..3489
US-08-728-323A-1

Query Match 3.3%; Score 45.8; DB 2; Length 3489;

Best Local Similarity 44.0%; Pred. No. 0.061;

Matches 194; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

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QY 592 AATAATGCTAATCTCTCTTCAATCCAGGTAAAGTTAATGCACACCTTTGTCGGCAATT 651
DB 2473 ACTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2414
QY 652 AAACCTGCTAATGTTGGCTTAAGCTACTTTAGGTAATGATGCTACATAACCGCATATGT 711
DB 2413 CTAACCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2354
QY 712 AACGTTGCATGCCCTGATGGTACTATAAGTCTGCTGGAGTAAATATTGGGTAGCACAA 771
DB 2353 CCTCTAATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2294
QY 772 AACCTGTAATGTAATTTGGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 831
DB 2293 GCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2234
QY 832 CCAGTAAATAGTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 891
DB 2233 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2174
QY 892 GCAGTGGTGGCTGCTACTTTTAGCCAAATAATATTGCATGCCCTGATGCTGCTGCTGCT 951
DB 2173 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2114
QY 952 ATTGCTAGTGGAGCACTAATTTATGTAATATTATAACAGAAATGTTAAATTTGCTGCT 1011
DB 2113 CATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2054
QY 1012 AACTTTTATTTTGGTGAAT 1032
DB 2053 GCTCATCTCTGCTGCTGCTCAT 2033
```

RESULT 5

US-09-298-568-1/c

; Sequence 1, Application US/09298568

; Patent No. 6322792

; GENERAL INFORMATION:

; APPLICANT: Kieff, Elliott D.

; APPLICANT: Ballestas, Mary E.

; APPLICANT: Kaye, Kenneth M.

; TITLE OF INVENTION: RHADINO VIRUS LANA ACTS IN TRANS ON A UNIT OF RHADINO

; TITLE OF INVENTION: VIRUS DNA TO MEDIATE EFFICIENT EPISOME PERSISTENCE

; FILE REFERENCE: 16412-10001R

; CURRENT APPLICATION NUMBER: US/09/298,568

; CURRENT FILING DATE: 1999-04-21

; EARLIER APPLICATION NUMBER: US 60/109,422

; EARLIER FILING DATE: 1998-11-19

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 3489

; TYPE: DNA

; ORGANISM: Kaposi's sarcoma-associated herpesvirus

US-09-298-568-1

Query Match 3.3%; Score 45.8; DB 4; Length 3489;

Best Local Similarity 44.0%; Pred. No. 0.061;

Matches 194; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

QY 592 RATAATGCTAATACCTCTTCAATCCAGGTAAAGCTTAAATGCACACCTTGTCCGGCAATT 651

DB 2473 ACTCTGCTGCTGCTCCTCTTAACCTCTGCTGCTCTTAACCTCCGCTCTGCTCTGCTCT 2414

QY 652 AAACCTGCTAATGTTGCTTAAGCTACTTTAGTGAATGATGCTACAAATAACCGCATAAATGT 711

DB 2413 CTAACTCCTGCTCCTGCTCTTAACCTCTGCTGCTCTTAACCTCTGCTCTGCTCTGCTCT 2354

QY 712 AACGTTGCATGCCGTGATGGTACTATAGTGTCTGCTGGAGTAAATAATTTGGGTAGCACAA 771

DB 2353 CCTCTAACTCCCTGCTGATCCTCTAACTCCTGCTGCTGCTCTTAACCTCTGCTCTGCTCT 2294

QY 772 AACACTGAATGTACTAATTTGCTGCTCTTAACCTTTTACAATAATAATGCTCCTTAATTCAT 831

DB 2293 GTCCTCTGCTGCTCCTGCTCTCTGCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTCAT 2234

QY 832 CCAGGTAATAGTACATGCTACTCTGCTGCCAGCAATAAAGATTAATGCTGCTGAAGCCACT 891

DB 2233 CCTGCTGCTGCTCTCATCTGCTGCTGCTGCTCATCTGCTGCTGCTGCTGCTCTGCTCTGCT 2174

QY 892 GCAGGTGGTCCGCTACTTTAGCCAAATAATGTAATTTGCATGCCCTGATGCTACTGCA 951

DB 2173 GCTGCTGCTCATCTGCTGCTGCTGCTCATCTGCTGCTGCTGCTGCTCTGCTCTGCTCTGCT 2114

QY 952 ATTGCTAGTGGAGCAACTAATATGTAATTAATAAACAGAAATGCTAAATTTGCTGCTGCT 1011

DB 2113 CATCCTGCTGCTCTGCTCATCTGCTGCTGCTGCTCATCTGCTGCTGCTGCTCTGCTCTGCTGCT 2054

QY 1012 AACTTTATTTGATGGTAAT 1032

DB 2053 GCTCATCCTGCTGCTGCTCAT 2033

RESULT 6

US-09-134-001C-2243

; Sequence 2243, Application US/09134001C

; Patent No. 6380370

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPH

; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: GTC-007

; CURRENT APPLICATION NUMBER: US/09/134,001C

; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/064,964

; PRIOR FILING DATE: 1997-11-08

TELEFAX: (212) 391-0525
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 32207 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-770-379-20

Query Match 3.3%; Score 45.8; DB 2; Length 32207;
 Best Local Similarity 44.0%; Pred. No. 0.12;
 Matches 194; Conservative 0; Mismatches 247; Indels 0; Gaps 0;
 QY 592 AATAATGGTAATACCTCTTCAATCCAGGTAAAGTTAATGACACACCTTGTCGGCAATT 651
 Db 19524 ACTCTGCTGCTGCTCTCTAATCTGCTGCTCTCTAATCTGCTGCTCTCTGCTCTCT 19583
 QY 652 AAACCTGCTAAATGTTGCTTAAAGCTACTTTAGGTAATGATGCTACAAATAACCGCATAATGT 711
 Db 19584 CTAACCTGCTGCTGCTCTCTAATCTGCTGCTCTCTAATCTGCTGCTCTCTGCTCTCT 19643
 QY 712 AAGTTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 771
 Db 19644 CTTCTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19703
 QY 772 AACACTGGAATGTAATGTTGCTTAAAGCTACTTTAGGTAATGATGCTACAAATAACCGCATAATGT 831
 Db 19704 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19763
 QY 832 CCAGGTAATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 891
 Db 19764 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19823
 QY 892 GCAGGTGGTGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 951
 Db 19824 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19883
 QY 952 ATTGCTAGTGAGCAACTAATTAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1011
 Db 19884 CATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19943
 QY 1012 AACTTTTATTTTGGTGAAT 1032
 Db 19944 GCTCATCTGCTGCTGCTCAT 19964

RESULT 8

US-08-757-669A-20
 Sequence 20, Application US/08757669A
 Patent No. 6183751
 GENERAL INFORMATION:
 APPLICANT: Chang, Yuan
 APPLICANT: Bohenzky, Roy A.
 APPLICANT: Russo, James J.
 APPLICANT: Edelman, Isidore S.
 APPLICANT: Moore, Patrick S.
 TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS
 TITLE OF INVENTION: SEQUENCES AND USES THEREOF
 NUMBER OF SEQUENCES: 20
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooper & Dunham LLP
 STREET: 1185 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/757,669A
 FILING DATE:
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P.
 REGISTRATION NUMBER: 28,678
 REFERENCE/DOCKET NUMBER: 45185-F
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 278-0400
 TELEFAX: (212) 391-0525
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 32207 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-757-669A-20

Query Match 3.3%; Score 45.8; DB 4; Length 32207;
 Best Local Similarity 44.0%; Pred. No. 0.12;
 Matches 194; Conservative 0; Mismatches 247; Indels 0; Gaps 0;
 QY 592 AATAATGGTAATACCTCTTCAATCCAGGTAAAGTTAATGACACACCTTGTCGGCAATT 651
 Db 19524 ACTCTGCTGCTGCTCTCTAATCTGCTGCTCTCTAATCTGCTGCTCTCTGCTCTCTGCTCTCT 19583
 QY 652 AAACCTGCTAAATGTTGCTTAAAGCTACTTTAGGTAATGATGCTACAAATAACCGCATAATGT 711
 Db 19584 CTAACCTGCTGCTGCTCTCTAATCTGCTGCTCTCTAATCTGCTGCTCTCTGCTCTCTGCTCTCT 19643
 QY 712 AAGTTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 771
 Db 19644 CTTCTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19703
 QY 772 AACACTGGAATGTAATGTTGCTTAAAGCTACTTTAGGTAATGATGCTACAAATAATGCTTAATTTCAAT 831
 Db 19704 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19763
 QY 832 CCAGGTAATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 891
 Db 19764 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19823
 QY 892 GCAGGTGGTGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 951
 Db 19824 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19883
 QY 952 ATTGCTAGTGAGCAACTAATTAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1011
 Db 19884 CATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19943
 QY 1012 AACTTTTATTTTGGTGAAT 1032
 Db 19944 GCTCATCTGCTGCTGCTCAT 19964

RESULT 9

US-09-230-371A-20
 Sequence 20, Application US/09230371A
 Patent No. 6348586
 GENERAL INFORMATION:
 APPLICANT: Chang, Yuan
 APPLICANT: Bohenzky, Roy A.
 APPLICANT: Russo, James J.
 APPLICANT: Edelman, Isidore S.
 APPLICANT: Moore, Patrick S.
 TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND
 TITLE OF INVENTION: USES THEREOF
 FILE REFERENCE: 45185-G-PCT-US
 CURRENT APPLICATION NUMBER: US/09/230,371A
 CURRENT FILING DATE: 1999-11-17
 PRIOR APPLICATION NUMBER: PCT/US97/13346
 PRIOR FILING DATE: 1997-07-22

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; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 20
; LENGTH: 32207
; TYPE: DNA
; ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-230-371A-20

Query Match      3.3%; Score 45.8; DB 4; Length 32207;
Best Local Similarity 44.0%; Pred. No. 0.12;
Matches 194; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

QY 592 AATAATGGTAATACCTCTTTCAATCCAGGTAAGGTAATGACACACCTTGTCCGGCAATT 651
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19524 ACTCCTGCTGCTGCTCTCTAACTCTGCTCCTGCTCCTCTAATCTCTGCTGCTCCT 19583

QY 652 AAACCTGCTAATGTGCTTAAGCTACATTTAGGTAAATGATGCTACAAATACGGCAATATGT 711
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19584 CTAACCTCTGCTGCTGCTCTCTAACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19643

QY 712 AACGTTGCATGCCCTGATGGTACTATAAGTGCCTGCTGGAGTAAATAATTGGTAGCACAA 771
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19644 CCTCTAATCTGCTGCTGCTGCTCTAACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19703

QY 772 AACACTGAATGTACTAATTTGTGCTCTCAACTTTTACAAATAATAATGCTCTCAATTTTCAAT 831
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19704 GCTCCTCTGCTGCTGCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTGCTCTCAT 19763

QY 832 CCAGGTAAATAGTACATGCTACCTTGCTGCCACCAATAAAGATTATGCTGCTGAAGCCACT 891
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19764 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19823

QY 892 GCAGTGGTGGCGCTACTTTAGCCAAATAATGTAATATTGTCATGCCCTGATGGTACTGCA 951
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19824 GCTGCTGCTCATCTGCTGCTGCTGCTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19883

QY 952 ATTGCTAGTGAGCAACTAAATATTATGTAATATTATAACAGAAATGCTAAATTTGCTGCTGT 1011
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19884 CATCTGCTGCTGCTGCTGCTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19943

QY 1012 AACITTTATTTGATGGTAAT 1032
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19944 GCTCATCTGCTGCTGCTGCTCAT 19964

RESULT 10
US-08-975-762-39
; Sequence 39, Application US/08975762
; Patent No. 6207169
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/975,762
; FILING DATE: 21-MAR-1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.

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; TITLE OF INVENTION: AND TREATMENT OF EHRlichia INFECTION
; FILE REFERENCE: 210121.439C4
; CURRENT APPLICATION NUMBER: US/09/295,028
; CURRENT FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 2129
; TYPE: DNA
; ORGANISM: Ehrlichia sp.
us-09-295-028-39

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Query Match      3.1%; Score 43.4; DB 4; Length 2129;
Best Local Similarity 44.3%; Pred. No. 0.19;
Matches 277; Conservative 0; Mismatches 336; Indels 12; Gaps 2;

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QY 287 CTGCTGTACCGCAATTCGAGGTGGAGCACACAGATTATGCGAGCAATAATCAGAGATGTG 346
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Db 619 CTTCTGCTGCATACCGCATCAGCTTCTACAGATCTTCAGACTTCAGATCACCTTCAG 678
QY 347 TTAATGTAGAAATTAATTTTATAATGAAATGCTCCAAATTTTAATGCGAGGTCTAGTA 406
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 679 TAACACCAAGAACTGTAGACTCAGGTGCTGCTGGTCAGAGAACTTCAGAGCTGATCTTA 738
QY 407 CATGCACAGCTTGTCCGGTAAACAGAGTTGGTGGTCATGACTGCTGTGTAATGCCGCTA 466
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 739 GTTGTGGCTTCTGGAGCACTACCAGCTTCTTCAAGCTTATTTCTTAGTATGGTA 798
QY 467 CCATAGTCGCAATATGTAACGTCGCATGCTCTACTGCTACTGCTACTGATGAGGATAA 526
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 799 CAATCGCTTCTGCAGCTTCACACAGGTAATTTCTCTCAGCTACTACAGGTACTTGTG 858
QY 527 CTACTGATTAATGTAGATCAATTCACAGAACTGTTTAAATGTAGACTTAACTTTTACT 583
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 859 CTACAGGTGCTCAAGATCTATCAAGATATCTTCCCTTTAGAAGAACTTCTGTTTCTT 918
QY 584 ATAATGTGAATAATGTAATGTAATGCTCTTCAATCCAGGTAAAGTTAATGCCACACTTGT 643
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 919 TTACTTCTACAGGAGCTTCAGTTCCTCTAGTGCCTTCTGCAATTTCTTCTTGTGAC 978
QY 644 TAGCAAAAACACTGTAATGTAATGTAATGCTCTTCAATCCAGGTAAAGTTAATGCCACACTTGT 1038
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1039 GATCACCCTTCAGCAACACCAAGAACTGTAGACTCAGGTGCTGCGCAGAACTTCAG 1098
QY 764 TAGCAAAAACACTGTAATGTAATGTAATGCTCTTCAATCCAGGTAAAGTTAATGCCACACTTGT 1209
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 884 AAGCCACTGCAGGTGGTCCCGCTAC 908
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1210 CAGCTACTACAGGTACTTGCAGCTAC 1234

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RESULT 12
US-09-106-582-39
; Sequence 39, Application US/09106582
; Patent No. 6306402
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP

```

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; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/106,582
; FILING DATE: 29-JUN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.439C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-622-4900
; TELEFAX: 206-682-6031
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2129 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-106-582-39

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Query Match      3.1%; Score 43.4; DB 4; Length 2129;
Best Local Similarity 44.3%; Pred. No. 0.19;
Matches 277; Conservative 0; Mismatches 336; Indels 12; Gaps 2;
QY 287 CTGCTGTACCGCAATTCGAGGTGGAGCACAGATTATGCGAGCAATAATCAGAGATGTG 346
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 619 CTTCTGCTGCATACCGCATCAGCTTCTACAGATCTTCAGACTTCAGATCACCTTCAG 678
QY 347 TTAATGTAGAAATTAATTTTATAATGAAATGCTCCAAATTTTAATGCGAGGTCTAGTA 406
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 679 TAACACCAAGAACTGTAGACTCAGGTGCTGCTGGTCAGAGAACTTCAGAGCTGATCTTA 738
QY 407 CATGCACAGCTTGTCCGGTAAACAGAGTTGGTGGTCATGACTGCTGTTAATGCCGCTA 466
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 739 GTTGTGGCTTCTGGAGCACTACCAGCTTCTTCAAGCTTATTTCTTAGTATGGTA 798
QY 467 CCATAGTCGCAATATGTAACGTCGCATGCTCTACTGCTACTGCTACTGATGAGGATAA 526
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 799 CAATCGCTTCTGCAGCTTCACACAGGTAATTTCTCTCAGCTACTACAGGTACTTGTG 858
QY 527 CTACTGATTAATGTAGATCAATTCACAGAACTGTTTAAATGTAGACTTAACTTTTACT 583
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 859 CTACAGGTGCTCAAGATCTATCAAGATATCTTCCCTTTAGAAGAACTTCTGTTTCTT 918
QY 584 ATAATGTGAATAATGTAATGTAATGCTCTTCAATCCAGGTAAAGTTAATGCCACACTTGT 643
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 919 TTACTTCTACAGGAGCTTCAGTTCCTCTAGTGCCTTCTGCAATTTCTTCTTGTGAC 978
QY 644 CCGCAATTAACCTGCTAATGTTGCTTAAAGTACTTTAGGTAAATGATGCTACATAACCG 703
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 979 CAGAGATTACTTCTTTTGGCTTACATCAGCAATTTAGCTTCTACAGATTAATTCAGCTTTA 1038
QY 704 CATAATGTAAGTTGTCATGCCCTGATGCTACTATAGCTGCTGGAGTAAATTTGGG 763
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1039 GATCACCCTTCAGCAACACCAAGAACTGTAGACTCAGGTGCTGCGCAGAACTTCAG 1098
QY 764 TAGCAAAAACACTGTAATGTAATGTAATGCTCTTCAATCCAGGTAAAGTTAATGCCACACTTGT 823
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 884 AAGCCACTGCAGGTGGTCCCGCTAC 908
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1210 CAGCTACTACAGGTACTTGCAGCTAC 1234

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THERAPY

Query Match 3.0%; Score 42.6; DE 2; Length 1422;
Best Local Similarity 44.1%; Pred. No. 0.26;
0: Mismatches 284; Indels 3; Gaps 1;
226: Conservative

QY	884	AAGCCACTGAGGTGGTGGCGCTAC	908
Ddb	1210	CAGCTACTACAGGTACTTTGGCCTAC	1234
 RESULT 13 US-210-168-1			
; Sequence 1, Application US/09210168			
; Patent No. 635424			
; GENERAL INFORMATION:			
; APPLICANT: Lorincz, Attila T.			
; TITLE OF INVENTION: ASSESSMENT OF HUMAN PAPILLOMA VIRUS-RELATED DISEASE			
; FILE REFERENCE: 26294005US2			
; CURRENT APPLICATION NUMBER: US/09/210,168			
; CURRENT FILING DATE: 1998-12-11			
; PRIOR FILING DATE: 1998-12-11			
; PRIOR FILING DATE: 1998-04-17			
; PRIOR APPLICATION NUMBER: U.S. 60/070,486			
; PRIOR FILING DATE: 1998-01-05			
; PRIOR APPLICATION NUMBER: U.S. 60/069,426			
; PRIOR FILING DATE: 1997-12-12			
; NUMBER OF SEQ ID NOS: 5			
; SOFTWARE: Patentin ver. 2.1			
; SEQ ID NO 1			
; LENGTH: 1390			
; TYPE: DNA			
; ORGANISM: Human papillomavirus			
; FEATURE:			
; OTHER INFORMATION: L2-HPV16			
US-210-168-1			
Query Match 3.0%; Score 42.6; DB 4; Length 1390;			
Best Local Similarity 44.1%; Pred. No. 0.26;			
Matches 226; Conservative 0; Mismatches 284; Indels 3; Gaps 1;			
QY	633	CACACCTTGTCGGCAATTAAACCTGCTAATGTGGTTTAAGCTACTTTTAGGTAATGATGCC	692
Ddb	834	CACCTCCCCTAACTATTATCATATGAATAATCCTGCATATGAAGGTATAGATGTGATAA	893
QY	693	TACAATAACCGCATAAATGTAACGTTGCATGCCCTGATGGTACTATAAGTGTGCTGGAGT	752
Ddb	894	TACATTATATTTTTCTAGTAATGATAATAGTATTAATATAGCTCCAGACTCTGACTTTTT	953
QY	753	AAATAATGGGTAGCACAAAACACTGAATGACTACTAATGTGCTCCFAACTTT---TACAA	809
Ddb	954	GGATATAGTGTGTTTACATATGCCAGACATAACCTCTAGCGGTACTGGCATTAGGTACAG	1013
QY	810	TATATATGTCCTCAATTTCAATCCAGGTAAATAGPACATGCCTACCTTGGCCGACCAATAA	869
Ddb	1014	TAGAATTGGTAATAAACAAACACTACGTACTCGTGTAGTGGAATACTATAGTGCTAAGGT	1073
QY	870	AGATATGTTGCTGAAGCCACTGCCAGTGGTGGCCGTACTTTAGCCAAAATAATGTAATAT	929
Ddb	1074	ACATTATATTATGATTTAAGTACTATTTGATCCCTGCAGAGAAATAGAAATACAACTAT	1133
QY	930	TGCATGCCCTGATGTACTGCAATTTGGTCTAGTGGAGCAACTAATTTATTAATATTAAAC	989
Ddb	1134	ACACCCTTCATATATACCTACCATTCACATGCAGCCTCACCTACTTCTATTAATAATGG	1193
QY	990	AGAATGCTAAAVTGGCTGCTACTTTTATTTTGGTGGTAATAATTTCTFAGCGCAGGAAG	1049
Ddb	1194	ATTATATGATATTTTATGCAGATGACTTTTATTACAGATACATCTTCAAACCCCGTACCATC	1253
QY	1050	TAGTAGATGCAAGCATGTGCCAGCAATAAAGTTTAAAGGGCGTGTAGCAAACTCGAGGTGG	1109
Ddb	1254	TGTACCCCTACATCTTTATCAGGTTATATTCTCCGAAATACAACAATTCCTTTTGGTGG	1313
QY	1110	TACTGCTACTTTAAATFGCAATAATGTGCCCTTGA	1142
Ddb	1314	TGCATACAATATTCCTTTTASTATCAGGTCCTGA	1346

Db 972 ACATTATATATGATTAAAGTACTAATGATCCTGCAGAGAAATAGAAATACAACTAT 1031
 Qy 930 TGCATGCCCTGATGCTGCAATTCCTAGTGGAGCAACTAATATGTAATATTAAC 989
 Db 1032 AACACCTTACATATATACCACTTACATGAGCCTCACCTACTTCTATTAATAATGG 1091
 Qy 990 AGAATGCTAAATGTGCTGCTAACTTTATTTGATGCTAATAATTTCTAGGAGGAAG 1049
 Db 1092 ATTATATGATATTTATGAGATGACITTTATACAGATACTTTCTACACCCCGGTACCATC 1151
 Qy 1050 TAGTAGATGCAAGCATGCCAGCAATAAAGTTTAAAGCGCTGTAGCACTGCGAGTGG 1109
 Db 1152 TGTACCTCTACATCTTTATACAGTTATATCTGCAATACAACTTCCCTTTGGTGG 1211
 Qy 1110 TACTGCTACTTTAAATGCAATAAGTGCCTTGA 1142
 Db 1212 TGCATCAATATTCCTTTAGTATCAGGTCTCTGA 1244

RESULT 15

US-08-316-239B-1
 ; Sequence 1, Application US/08316239B
 ; Patent No. 5679509
 ; GENERAL INFORMATION:
 ; APPLICANT: Wheeler, Cosette M.
 ; APPLICANT: Parmenter, Cheryl A.
 ; TITLE OF INVENTION: Methods and a Diagnostic Aid for
 ; TITLE OF INVENTION: Distinguishing a Subset of HPV that is Associated with an
 ; TITLE OF INVENTION: Increased Risk of Developing Cervical Dysplasia and
 ; TITLE OF INVENTION: Cervical Cancer
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Jagtiani & Associates
 ; STREET: 6126 Rocky Way Court
 ; CITY: Centreville
 ; STATE: VA
 ; COUNTRY: USA
 ; ZIP: 20120-3400
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/316,239B
 ; FILING DATE: 30-SEP-1994
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jagtiani, Ajay A.
 ; REGISTRATION NUMBER: 35,205
 ; REFERENCE/DOCKET NUMBER: UNME-0001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (703) 817-9453
 ; TELEFAX: (703) 803-9387
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 7904 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: circular
 ; MOLECULE TYPE: DNA (genomic)
 ; HYPOTHETICAL: NO
 ; US-08-316-239B-1

Query Match 3.0%; Score 42.6; DB 1; Length 7904;
 Best Local Similarity 44.1%; Pred. No. 0.46;
 Matches 226; Conservative 0; Mismatches 284; Indels 3; Gaps 1;
 Qy 633 CACACCTTGTCGGCAATTAACCTGCTAATGTTGCTTAAGCTACTTATAGGTAATGATGC 692
 Db 4966 CACTCCCACTAAACTTATACATATGATAATCTCGCATATGAAGGTATAGATGTGGATAA 5025
 Qy 693 TACAATAACCGCAATAAGTAACGTTGCATGCCCTGTGCTACTATTAAGTGTGCTGCTGAGT 752

Db 5026 TACATTATATTTTCTAGTAATGATAATAGTATTAATAATAGCTCCAGACTCTTTT 5085
 Qy 753 AAATAATTGGTAGCACAAACACTGAATGTACTAATTTGTCTCCTAACTTT---TACAA 809
 Db 5086 GGATATAGTTGCTTTACATAGGCCAGCATTAACCTCTAGGCGTACTGGCATTTAGGTACAG 5145
 Qy 810 TAATAATGCTCCTTAATTTCAATCCAGGTAAATAGTACATGCCTTACCTTGGCCAGCAATAA 869
 Db 5146 TAGAATTGGTAAATAACAAACACTACGTACTCGTAGTGGAATCTATAGGTGCTAAGT 5205
 Qy 870 AGATTATGCTGCTGAAGCCACTGCGAGGTGGTCCCGCTACTTTAGCCAAATAATGTAATAT 929
 Db 5206 ACATTATATTTATGATTTAAGTACTATTGATCTCTGAGAAGAAATAGAATTACAACTAT 5265
 Qy 930 TGCATGCCCTGATGCTGCTGCAATTCCTAGTGGAGCAACTAATTTATGTAATATTATAAC 989
 Db 5266 AACACCTTCTACATATACTACCCTTCACATGCAGCCTCACCTACTTCTATTAATAATGG 5325
 Qy 990 AGAATGCTAAATTTGCTGCTAACTTTTATTTTGTATGTTATTAATTTCTAGGAGGAAG 1049
 Db 5326 ATTATATGATATTTATGACAGATGACTTTTATTACAGATACTTCTACAAACCCCGGTACCATC 5385
 Qy 1050 TAGTAGATGCAAGCATGCTCCAGCAATAAAGTTTAAAGCGCTGTAGCAACTGCGAGTGG 1109
 Db 5386 TGTACCTCTACATCTTTATCAGGTTATATTCCTGCAATAACAACTTCCCTTTGGTGG 5445
 Qy 1110 TACTGCTACTTTAAATTTGCATAATGTGCCCTTGA 1142
 Db 5446 TGCATACAATATTCCTTTAGTATCAGGTCTCTGA 5478

Search completed: February 16, 2003, 22:31:28
 Job time : 139.938 secs

